THE CRAFTSMAN
an Illustrated Monthly Magazine in the
Interest of Better Art,
Better Work, and a
Better and More Reasonable Way of Living.
Volume Twenty-Four,
April, 1913-September,
1913



Gustav Stickley, Editor The Craftsman Building, 38th and 39th Sts., East of 5th Ave. New York N 1 C88 V. 24

> STATE ONO YTIERSTYMU

THE CRAFTSMAN

CONTENTS

VOLUME XXIV	APRIL, 1913—SEPTEMBER	k, 1913
Academy, The Spring, The Quality of		210
the		310 346
Agriculture, Summer School of	129, 252, 358, 454, 5	
Als Ik Kan American Country Homes of To-day:		49, 053
An Achievement in Domestic Archi-		
tecture	By Wilson Eyre	21
Apple Orchard as an Investment, The:		
How to Begin to Grow Apples in		
the Right Way	By W. H. Jenkins	236
Arbor Day, The Observance of: An		0
Open Letter to Boys and Girls	By Arthur D. Dean	229
Arches, Gateways and Trellises, Vine-		
Hidden. See Outdoor Shelter Pro-		
vided by Arches, Gateways and		
Trellises, p. 268		
Architecture, Domestic. See American		
Country Homes of To-day		21
Architecture, German, that Shows both		
Beauty and Simplicity, A Glimpse of		547
Architecture, Modern, Domestic as		34/
Shown by Picturesque Details, The		
Increasing Beauty of		173
Art and Heart	By Charles Grant Miller	376
Art as a Tonic	By Eloise Roorbach	343
Backyard, The Humble Annals of a	By Walter A. Dyer	308
Backyard, The Humble Annals of a:		
Good Beans	By Walter A. Dyer	575
Backyards and Vacant-Lot Gardens:		
What the Garden Club of Min-		
neapolis Has Done		641
Bark-Beetle Relentless in Its Attack on		
the Hickory Nut Trees throughout		
Their Range, The Baron de Meyer. See Photography		531
That Is Critical, Constructive and		
Creative		158
Basketry, Philippine, A Craft Evolved		130
by a Primitive People to Meet		
Their Own Needs	By Lillian M. Osgood	353
Bathroom, The New Built-in Sanitary	,	100

Beside the Fire: A Poem Birds, Children as Guardians of the: Practical Suggestions for Feeding	By Ella Howard Hughes	198
and Housing Our Friends of the	By T. Gilbert Pearson	501
Birds, Home Life of the	By T. Gilbert Pearson	187
Birds, House-Building of the	By T. Gilbert Pearson	36
Birds, Migratory, The Federal Govern-	By 1. Gilbert Tearson	30
ment to Protect	By T. Gilbert Pearson	395
Birds, My Architectural Critics, The	Dy 1. Onbert 1 tarson	IOI
Black, Frank S. See Inspiration		143
Book Reviews	131, 255, 361, 456	
Boston, Progress in Civic Improvements	-3-, -33, 3, 43-	, -5-
in	By Frank Chouteau Brown	599
Building, The Craftsman	,	254
Building a Home in the Rockies for One		
Hundred Dollars	By Mrs. Tad Powell	441
Bungalow, A Six-Room: Inexpensive,		
Comfortable and Attractive	By Charles Alma Byers	93
Cake and Wine: A Poem	By Grace Hazard Conkling	610
Carpenter, The: A Poem	By Edward Wilbur Mason	210
Cellars, Correcting Leaky	By A. S. Atkinson	347
Cement: A Building Material of Varied		
and Interesting Possibilities		121
"Changing America," a View of	B. II1:- C11	140
Chicago, The New Color, More, in House Furnishings as	By Hamlin Garland	555
Well as in the Art Galleries		240
Comforters, The Little: A Poem	By Margaret Widdemer	249 186
Concerning the Easy Chair	By James Thomson	544
Concrete Construction: Its Possibilities	Dy Juneo Inombon	344
of Strength and Beauty		96
Content to Give: A Poem	By Anne P. L. Field	420
Cottage Conforming to the Irregulari-		
ties of Its Site, A	By G. H. and E. D. Ford	224
De Meyer, Baron. See Photography		
That Is Critical, Constructive and		0
Creative Doorways of Deerfield, The Welcoming	Des Complem Wells	158
Drainage Engineering as Applied to the	By Carolyn Wells	413
Vast Swamp Lands of this Country,		
Opportunities of	By George Ethelbert Walsh	445
Drawn-Work, The Domestic Handicraft	Dy deoige Dineibert Walder	443
of the "Black Shawl" Women of		
Mexico	By Mary Worrall Hudson	338
Educating the Institutional Child: Right		
Labor as the Great Factor in		
Developing Youth	By Arthur D. Dean	509

Education, The New: Nature, the Com- munity and the Home Are To-day Combining with the School to Train Children for an Industrial Democ-		
racy Education of Children in the School	By Arthur D. Dean	463
Gardens of Los Angeles, The	By Mary Richards Gray	472
Electricity, Lighting the Home by	Dy many memory	104
Electricity in the Modern Home, The		
Magic of		115
Elm, The Passing of the	By Clarence Moores Weed	452
Entrances That Have Gained Their Ef-		
fect through Simple and Picturesque		
Treatment	Dr. Conso Housed Contiling	355
Fairy Music: A Poem Farm Credits, Coöperative: Evolving	By Grace Hazard Conkling	385
a System of Giving American		
Farmers Wise Financial Help	By W. H. Jenkins	334
Farm Tenant Peril, The		335
Feather Trade, The Passing of the	By T. Gilbert Pearson	303
Flower Gatherers to the Woods in April		128
Flowers, Lost Wild: Plants That Have		
Been Sought for as Diligently and		
Courageously as the North and South Poles	By Alice Lounsberry	206
Folk-Songs, The New Life of: Their	By Alice Louisberry	200
Use to Modern People	By K. MacGowan	316
Forest Insects, Attacking	-,	651
Fountain. See The Venetian Spell, p. 30		
Friend of the People, The		654
Furnishings That Afford Freshness and		
Comfort for Life in Hot Weather,		247
Summertime Furniture Especially Appropriate for		241
the Informal Garden, Rustic		349
Furniture, Hickory, for Country Houses		349
and Living Gardens		449
Furniture, Modern, Reproduced from		
the Antique, Showing Practical		
Types for American Homes		245
Furniture of Our Forefathers, The:		
How It Embodies the History and Romance of Its Period		148
Garden, The Home, Small Vistas in and		140
about: The Art of Framing Land-		
scapes	By Alice Lounsberry	II
Garden, The Vegetable, in Midsummer,		
Care of the	By E. I. Farrington	540

Gardening as a Means of Recreation for Women: Growing Vegetables,		
Flowers and Fruit	By Mary Wheat Jenkins	III
Gardens, Creating Atmosphere in the:	Dy many whom joining	
Illustrated by a Japanese Half-Acre		
in California	By Eloise Roorbach	566
Gardens of the Sierra, Hanging	By Eloise Roorbach	276
Gardens. See Growth of Children's	By Lioise Root bach	2/0
Gardens, p. 243		
Gill, Irving J., "Outdoor" Life in Cali-		
fornia Houses as Expressed in the		
New Architecture of	By Eloise Roorbach	425
Glens and Gardens of Hudson River	By Eloise Rootbach	435
Estates, Wherein Man Has Been		
Nature's Assistant Gardener	By Alice Lounsberry	480
Going Home	By Helen R. Gutmann	*
Growth of Children's Gardens and Their	by Helen R. Gutmann	507
Benefits, The		242
Headquarters for Home-Builders, The		243
Hepatica, White	By Gertrude M. Potwin	359 508
Hoes, Concerning		
Hoe, The Moral Qualities of the	By C. L. Meller	410
Home Comforts in Outdoor Life		412
Home for One Hundred Dollars. See		340
Building a Home in the Rockies for		
One Hundred Dollars		447
Home Furnishings and Decoration in		441
the Craftsman Magazine and Crafts-		
man Building		
Home-Builders, American. See Japan's		551
Beauty an Inspiration to American		
· Home-Builders		42
Homes	By Gustav Stickley	42
Homes, Country. See American Coun-	by Gustav Stickley	421
try Homes of To-day, p. 21		
Homes, Specially Designed, Craftsman.		
See Value of Cooperation between		
Owner and Architect		69
Houseboat, Vacation Days on a: The		09
Divergity of Planeurs and Comfort		
Diversity of Pleasure and Comfort	Pr. Postrice Criswold	400
to be Enjoyed House in the Orchard, The Little	By Beatrice Griswold	402
House in Philadelphia Recalling the Ad-	By Laura Rinkle Johnson	331
venturous Lives of John and Wil-		
liam Bartram, Early American Botanists, A Picturesque Old		702
House, The Modern Colonial: What It		193
Holds of History and Beauty in the		
Development of an American Archi-		
tecture	By Gardner Teall	61
Poorent	Dy Gardier Team	01

Houses, Concrete: Their Possibilities of Economy and Picturesqueness	By Harvey Whipple	532
Houses, Craftsman: A Permanent	Dy Harvey Whippie	33-
Home and an Inexpensive Summer		
Bungalow Specially Designed for		
Craftsman Subscribers: Nos. 157		
and 158		86
The New Brick House at Craftsman		
Farms and a Small Bungalow: Nos.		-
Vessel Burnels That Asset Be		221
Vacation Bungalows That Appeal Be- sides as Homes of Comfort and Re-		
freshment: Nos. 161 and 162		322
Craftsman Houses, Built for Outdoor		322
Living: Nos. 163 and 164		326
Two Commodious Craftsman Houses		3-0
Planned for Comfortable Indoor		
and Outdoor Living: Nos. 165 and		
166		428
More Craftsman Bungalows for Country		
and Suburban Home-Builders: Nos.		-
171 and 172		526
Craftsman Stucco Houses Planned for		
All-Round Comfort and Beauty and Adaptable to Many Different Lots:		
Nos. 169 and 170		625
How to Rid the Lawn and Garden of		023
Moles, Bugs and Worms	By Joseph H. Sperry	233
Human Spirit, The	By Charles Grant Miller	586
Inspiration	•	143
Insurance, Group		652
International Exhibition of Painting and		
Sculpture, Science in Art as Shown	P. W. F P	
in the	By Mary Fanton Roberts	216
Ironwork in War and Peace, Art and		
Science: Examples of the Work of Colonial Craftsmen		FT8
Japan's Beauty an Inspiration to Ameri-		518
can Home-Builders	By Kathryn Rucker	42
Kitchen, Simplifying the Farm	Dy Leaving is selected	352
Lilies as Individuals: Their Difference		00
in Details, in Time of Bloom and in		
the Place They Hold in the Home		
Garden		377
Lilies of the Garden, Tall: Links Bind-		
ing Landscape to Architecture and	D. Alice I ouncherry	260
Sculpture Lincoln, Abraham. See Inspiration	By Alice Lounsberry	367
Making a "Mountain Garden" in a City	By J. M. Miller	631
maning a mountain darden ill a City	Dy J. M. Miller	031

Making the City Home Livable for the		
Summer		117
Man Who Staid at Home, The: A		
Story	By Laura S. Rabb	166
Men Say: A Poem	By Marguerite O. B. Wilkinson	
Midsummer: A Poem	By Edward Wilbur Mason	517
Miniature Cardboard Houses Used as Models by Client and Architect		118
Need of a National Health Board, the		110
Creating of Which Has Too Long		
Been Delayed		646
New York City, The Accidental Beauty		-4-
of, Born Out of Its Civic Needs		577
New York's Wasted Acreage: Thou-		
sands of Unused Roofs Which		
Might Be Converted into Play-		
grounds and Breathing Spaces for;		-00
the People		386
Notes Open-Air Rooms and Sleeping Porches:		134
The Revolt Against the Shut-in		
Houses of Our Forefathers		434
Organization to Help Farmers' Wives,		101
An		634
Outdoor Shelter Provided by Vine-		
Hidden Arches, Gateways and Trel-		
lises		268
Photography That Is Critical, Construc-		
tive and Creative, Shown in the		0
Work of Baron De Meyer Plays, Two	By Marguerite Wilkinson	158 525
Pottery, Arequipa. See Art as a Tonic	by Marguerite Wilkinson	343
Pueblo Singer, The: A Bit of Native		343
American History	By Natalie Curtis	400
Ragged Edges of the City, The		635
Remodeling a Double Cottage of Eng-		
lish Inspiration into a Modern One-		,
Family Home		336
Roads. See Value of Good Roads to the Nation		400
Roof Line, The New Long: What It		439
Holds for Decoration and Utility		300
Roof, The Thatch-Shingle		96
Rose Cottage in Kent, A	By Frederick A. King	293
Rose, The Single, The Return of the:		
Its Prestige in the Garden, and a	7 44 7	
Word of Its History	By Alice Lounsberry	259
San Francisco's Great Civic Center	By Adolphus E. Graupner	588

School and the Advertiser, The Schools, State, That Will Build Up Character and Body as Well as Brain, A New Idea in: A Sugges-	By Elizabeth King Maurer	84
tion for California	By Raymond Riordon	52
Self Help through Government Shottery Gardens and Its Workers	By Frances Tobey	539 494
Sincerity, The Value of	,	41
Skyscraper, The American: The Giant in Architecture: Its Purpose, Beau-		
ty and Development	D C 11 1 C 11	3
Song of the Veery Thrush: A Poem Staircases, Ancient Mediæval and Co- lonial, from Which Those of the	By Grace Hazard Conkling	10
Present May Reap Suggestions Stone Ware That Combines Utility		199
with Loveliness: A Recently Re-		
vived Craft Studio, A Modern, Successfully Re-		643
modeled from an Old Hall with Ar-		
tistic Results Taking Your Own Picture		80 652
Timber Trees, Our Important: A Prac-		052
tical Book for Landowners and Farmers		OFT
Training for Appreciation and Training		251
for Skill	By Arthur D. Dean	622
Trays of Birch Bark, Reed and Raffia, A Practical Lesson in Making	By C. B. Whitehouse	648
Trees for City Streets, Shade: What		
They Furnish in the Way of Beauty, Health and Comfort	By Ada Rainey	611
"Twin Oaks," A Country Cottage That	_,,	
Has Grown Out of a Craftsman Idea		227
Vacations, A New Idea about	By Raymond Riordon	637
Value of Cooperation between Owner and Architect, as Illustrated by		
Specially Designed Craftsman Homes, The		69
Value of Good Roads to the Nation		439
Venetian Fountain Spell, The: A Study in the Relation of Art to Utility	By Esther Matson	30
Very Hour, The: A Story	By Patience Bevier Cole	284
Vines, The Companionship of: Annual and Perennial Varieties, and the Different Kinds of Shade Which		
They Produce	Pr. Cross Harard Cantillan	180
Violin, The Elf Describes His: A Poem	By Grace Hazard Conkling	192

Vocational Training Wall Coverings That Have Fulfilled Their Promises of Durability and	136
Decorative Merit, Modern	239
Wall-Papers That Revive a Forgotten Idea in Mural Decoration, Some	
Old-Time	211
Walnut, Circassian, The Uses and Mar-	
vels of	342
Waterproofing Building Materials	100
Why a Woman Should Own Her Own	
Home	119
Woodwork, Craftsman, Practical Points	
about	125

Academy, The Spring, The Quality of—
"Brother and Sister," from a painting by
M. Jean MacLane, 311; Portrait study,
from a painting by Cecilia Beaux, 312;
"A Little Girl," from a painting by
George Bellows, 313; "Mother and
Child," from a painting by Lillian Genth,

American Country Homes of To-day—Two views of an interesting modern country house built at Litchfield, Conn.: Wilson Eyre, Architect, 23; Modern house at Lake Forest, Ill.: Albro and Lindeberg, Architects, 24; Detail view of Lake Forest House showing beauty of window, door arrangement and "Shingle-Thatch" Roof, 25; Two views of a delightful modern house: Donn Barber, Architect: The residence of Mr. W. M. Stone, Flushing, L. I., 26; A modern stone and cement house: built in Merion, Pa.: David Knickerbacker Boyd, Architect, 27; The fountain garden in the Scarsdale Estates, designed by Chas. W. Leavitt, Ir., 28.

Apple Orchard As an Investment, The—Gasolene tractor used to cultivate the orchard by a progressive orchardist in Western New York, 236; Apple trees are all the better for intercropping in an orchard, 237; Apple orchard in a high state of cultivation with cover crop of clover

just coming up, 238.

Arbor Day, The Observance of—Corner of Clifford Ave., Rochester, before the school children went to work; Clifford Ave. after the children had planned and planted, 229; A Rochester avenue made neat by the children; Rochester school children picking flowers from their own planting; Tree planted by Rochester children, 230.

dren, 230. Arches, Gateways and Trellises—Six illustrations, 271-274.

Architecture, German, that Shows both Beauty and Simplicity—Entrance steps and lodge that are in harmony both with the rugged landscape and the architecture of the larger building; One corner of the building showing the use of stone in the foundation and circular wall, 547; The broad sloping roof and tiny dormers of this German homestead remind one somewhat of an old English Farmhouse; Another view of the building showing that from whatever angle it is seen, one finds new architectural interest, 548.

Architecture, Modern Domestic—West end view of the residence of David Fairchild, Esq., at North Chevy Chase, Maryland; A detail showing the admirable placing of the house and the exquisite effect of a covered terrace, 175; East view of residence of David Fairchild; Third view of Fairchild Home, 176; Outside stairway of Mr. Fairchild's house; Detail of the Fairchild residence, 177; A picturesque gateway in the kitchen yard of the home of Mrs. John B. Thayer: A study of the possibilities of beauty in the labor end of the house; Detail of house owned by Paul D. Baugh, Esq., showing exceptionally interesting stonework, 178. Art as a Tonic—Arequipa Pottery in blues,

Art as a Tonic—Arequipa Pottery in blues, greens and browns; One of the Arequipa girls working near a sunny window, 343; Showing some interesting forms of the Arequipa pottery, 344; A group of yellow Arequipa vases; The decorations of the Arequipa pottery are essentially simple and suited to the forms used, 345. Basketry, Philippine—Four illustrations,

353-354. Bathroom, The New Built-in—A sanitary bathroom fitted up with built-in fixtures, 109; The built-in bathroom cabinet; The electric light bath. 110.

log; The bunt-in balance electric light bath, 110.

Birds, My Architectural Critics, The—Circular bluebird house; Hanging house for the wrens, 101; Home for white-bellied swallows; Great crested Flycatcher's house, 102.

Black, Frank S.—opp. p. 143.

Black, Frank S.—opp. p. 143.
Book Reviews: Illustrations from Studio Yearbook—Viennese fabrics in white, black, green and rose; A modern English thatched-roof dwelling, 361; Caldrum pottery: designed and executed by Reginold F. Wells. 362.

thatched-root dwelling, 301; Caldrum pottery: designed and executed by Reginold F. Wells, 362.

Boston, Progress in Civic Improvement in —Key plan of Boston's business center, 599; sketch of the new "office-building addition" to Boston's old City Hall, 600; A special bequest has made possible the construction of this large new picture gallery on the Fenway side of the Boston Museum of Fine Arts, 601; Model of the new Boston Custom House in which part of the old Doric Building is incorporated, as seen in the small entrance porticos at the base of the structure, 603; Two views of Boston's new elevated viaduct along the new Charles River Dam, 604; The large Aquarium at South Boston's Technique of the structure of the large Aquarium at South Boston's Technique of the South Boston of

ton, almost completed, 605; Boston State House the alteration and enlarging of which will be one of the significant features in the beautifying of the city's architecture: The work is to be undertaken in a way that will befit the dignity of the State and will at the same time retain the interest of the Historic "Bulfinch Front," 606.

Building a Home in the Rockies for One Hundred Dollars—A comfortable, durable hundred-dollar cabin that seems to have grown out of the soil, so in keeping with the landscape are its home made mud bricks, 441; The lone workman pushed and rolled huge rocks from the hillside to form a cavernous six-foot fireplace; Any convenient spot afforded the peculiar adobe clay suitable for mortar, 442; Hand made bookshelves, table, dictionary stand, picture frames and woodwork convey the impression that the living room was built for everyday wear and tear; Deep brown adobe brick form the frieze of the wall and border the windows massively, 443.

windows massively, 443.

Bungalow, A Six-Room—Six-room bungalow built for Mr. J. S. Clark in Los Angeles: Harold Bowles, Architect, 93; Fireplace corner of living room; The den in the California bungalow, 94; One end of the dining room with built-in window seat and sideboard; Floor plan of Mr.

Clark's bungalow, 95.
Cement: A Building Material of Varied and Interesting Possibilities—A California house of pale rose cement and rough redwood shakes; Showing the sculptural quality of cement in the foundation of a house, 121; A Western house with cement porch and white note carried into window casements; A simple cement bungalow with beauty in structural line and window grouping, 122; The dignity and picturesque quality of round cement pergola supports; Cement used with the severity and simplicity of Egyptian Architecture, 123; A friendly cement "approach"; Showing the charm of cement path, entrance and porch, 124.
Chicago, The New—"The Fountain of

Chicago, The New—"The Fountain of Time": A segment of the circling form is one hundred feet in length and contains nearly one hundred figures: Will stand at the western end of the Midway lagoon against the Cottage Grove Ave. border, 559; Chicago's new twenty-million dollar northwestern terminal; This big modern factory is one example of Chicago's changed attitude toward its waterway: It will be built facing, not

back to, the river, and the hanging side-walk that will run across the second story implies that some day the owner expects the view to be worth while, 560; The east tower of Harper Memorial Library, Chicago University, seen through the trees: one of the city's points of architectural beauty; Harper Memorial Library, one of the buildings of the University of Chicago, which rises from the north of the Midway and adds to Chicago's growing architectural loveliness, 561; Chicago's Midway Plaisance; "The Bridge of Fine Arts," 562.

"Commercial Sea Power": A painting by Henry Reuterdahl for a panel in the cabin of the schooner yacht Vagrant, owned by Harold S. Vanderbilt, frontispiece, opp.

Concerning the Easy Chair—An American Model of a Morris Chair; design used in the original Morris chair; 544; An inviting type, tipping backward; A giver of comfort, 545; A poor imitation of the Morris style, 546.

concrete Construction—Sanitary cow stable with hollow concrete walls owned by Mrs. T. K. Gibbs, Middletown, R. I.; A cold storage house in process of construction, 97; Building a hollow concrete wall; Residence of Ladd Hurd, Joliet, Ill., 98; Corner of hollow wall concrete building in process of construction, showing window frames set on the third course of concrete; In this view the corner pieces of the machine are in place ready for the walls to be built, between the window frames, 99; Hollow concrete wall in the first story of an apartment house, showing the continuous air space; Residence of E. A. White, Winchester, Mass.: An example of hollow-wall concrete construction, 100.

Cottage Conforming to the Irregularities of its Site—Exterior of cottage for hillside location showing curve of foundation to the site: G. H. and E. D. Ford, Architects; First floor plan of Ford cottage, 224; Rear of Ford cottage, showing an entrance stairway; Second floor plan, 225; Corner of living room, showing belowy edge.

pian, 226.
Doorways of Deerfield, The Welcoming—
The old doorway of the Sheldon house in Deerfield; The side door of John Williams' house, classic and prim, with a delicate beauty very New England in quality; The front door that John Williams built for his house, 415; Doorway of the Childs house; The Bishop Williams' doorway, 416; This front door-

way of the old Root house in Deerfield seems the dearest of all; The Frary doorway, 417; The Cowles doorway; The Weatherell doorway; Sitting room of the Cowles home, 418.

Cowles home, 418.

Drawn Work of Mexico—Each different pattern shown here is used exclusively in the state where it originated,

Educating the Institutional Child—These boys at the orphanage at Hastings-on-the-Hudson are working: The rabbits are their care, to feed and tend, keep healthy and sell for a profit, 511; These boys at the Hastings home are grading the school grounds, and they like doing it, 512; At the Berkshire Farm School the boys spray the trees and know at a glance the destructive insects, 513; The Berkshire farm boys harvesting ice for school use; A chicken house at the farm school, built by the boys who raise and market chickens 514.

chickens, 514.
Education of Children in the School Gardens of Los Angeles, The—A photograph of the East Seventh Street School in Los Angeles: This is one of the prize gardens of the city and the energy with which the children are working seems to merit every possible reward, 473; A glimpse of the kindergarten school gardeners working eagerly for a prize; This is one section of the horticultural group of the Gardena Agricultural High School in Los Angeles, a school designed to develop the character of boys and girls, 474; Boys at work in a "Slat" house of one of the Los Angeles High Schools; Busy corner of a garden in the Gardena Agricultural High School, 475; A school garden in the Russian quarter of Los Angeles planted along one side of a playground; A group of boys beginning the attack on an ugly stretch of city ground which will flower out into a beautiful garden, 476.

Electricity in the Modern Home, The Magic of—A sanitary kitchen made comfortable and wholesome by electrical devices, 115; Electricity at the wash tub; How science helps to get the breakfast; Cooking simple food by science; An electric telephone station in the home saves steps for mistress or maid, 116; A pocket flash light; A vacuum cleaner not only saves time but health, 117.

Electricity, Lighting the Home by—Electric dome lamp for dining room; Simple type of electric bracket lantern, 104; Novel design for large electric lantern; Square electric lantern; Round electric lantern; Electric bracket lantern, 105; Lighting outlet plan; Shade holders, 106; Craftsman Standard lamp with woven willow shade; Lighting fixture of the indirect type, 107.

Entrances that Have Gained Their Effect through Simple and Picturesque Treatment—Six illustrations, 355-357.

ment—Six illustrations, 355-357.

Furniture, Hickory—A chair of hickory boughs and woven splints of inner bark, 449; A set of porch or library furniture of woven splints of bark and frames of old hickory; A hickory garden rocking chair, 450; Rustic fence of sassafras poles with gate to match; Summer house of sassafras poles, very durable; A bridge of sassafras poles, with the bark on, both graceful and durable, 451; An arbor seat of sassafras poles with bark on, 452.

Furniture, Modern, Reproduced from the Antique—"Louis XV" drawing room furniture in walnut and gold; showing canetreatment of "Louis XV" style in walnut, 245; "Louis XVI" gray enamel frames and cane filling, 246; "Jacobean" chairs, picturesque and dignified; "Louis XVI" style, simple but with distinction; "Chippendale" chair and table in the manner of the master English Craftsman, 247; Moss-green bungalow twin beds; An old-time armchair, reproduced with artistic skill; Copied from an antique kitchen chair, with all the excellent proportion preserved, 248.

Furniture of our Forefathers, Theton table and sideboard, also old pieces of china the like of which are now highly prized; Hepplewhite chairs in which sat the "Perfect" ladies of the day, 151; Two antique tables now valued at more than their weight in gold; Table of early American make: The need of increasing the size of the family board being shown by an original conception of the drop leaf, 152; Ladder-back Chippendale leaf, 152; Ladder-back Chippendale chairs and table; one of the first chairs that was brought to America by the Colonists, its style being Jacobean; Queen Anne Windsor chair about which the pretty legend clings that one of its type was first found in the shepherd's cottage in the Windsor Forests, 153; Empire Colonial beds which indicate in their drapery the touch of a woman's hand; Comb-back rocking chair: one of the first designs of furniture made by Ameri-

can Craftsmen, 154.
Furniture, Rustic—A rustic seat that suggests a friendly chat in the garden; Well-proportioned, well-constructed rustic gar-

den tables, 349; a rustic settle and chair to match; A set of garden furniture appropriate for afternoon tea, 350; A summer house which is built nowadays with a floor so that it may be used on damp days; A rustic summer house with roof and back covered with bark, 351; A rustic pergola seat; A graceful arbor for flower or fruit vines, 352.

Garden, The Home, Small Vistas in and about—A distinct architectural feature which forms the prominent vista of a terraced garden and holds its own as a time-worn landmark, 13; A romantic old garden wherein the vistas are made by the boughs of trees, 14; An old house overgrown with vines and enhanced with vistas that make it seem far from the busy street on which it stands, 15; A sim-ple gateway vista increasing the pleas-ure of entering the garden and focusing the eye along its central pathway, 16; Rhododendrons composing a radiant picture when seen vista-like against the gray stone background of an old church, 17; A low vista formed by an overgrown box hedge, giving to the garden an appear-ance of much greater extent than it actually possesses, 18.

Garden, The Vegetable, in Midsummer-The scuffle hoe is a useful tool; using a cheap tin spray pump, 540; Fertilizing for the roots of tomato plants; Paper collars, a protection from cut-worms, 541; A cof-

fee can for a "Duster," 542.

Gardening as a Means of Recreation for Women—Border of China Asters in bloom, with carrot tops for the back-ground, III; Vegetables in long straight rows are easy to cultivate in the kitchen garden; Flower and vegetable garden in dry season, cultivated with earth mulch, 112; Preparing the soil on a warm spring afternoon for early vegetables and flowers; Upper end of kitchen garden. A falfa at the right, tree and cane fruits at the left, 113; End of garden, with border of flowers: Strawberries in the foreground, 114.

Gardens, Creating Atmosphere in the: Illustrated by a Japanese Half-Acre in California—Six Illustrations, 567-570. Gardens of the Sierra, Hanging-Eight il-

lustrations, 278-282.

Gill, Irving J., the New Architecture of— The house of Henry H. Timkin on the Pacific Coast, designed by Irving Gill, Architect; Entrance to Mr. Timkin's house, showing the very interesting construction of the walls and a certain picturesque quality gained from entire simplicity of design and finish, 435; The kitchen garden on the west side of the flower garden of Mr. Timkin's house; the plan of house, court and grounds, Looking through the double court of Mr. Timkin's house out of the windows beyond to the surrounding country; The southwest corner of the court and patio looking toward the north end of the court; These three pictures give a very definite sense of the intimate beauty and charm of court living in California, 437; Showing one view of Mr. Timkin's house

and the garden wall beyond, 438. Glens and Gardens of Hudson River Eslens and Gardens of Hudson River Es-tates—Within the arbor that forms a long shaded walk in Mrs. Ramsdell's garden on the Hudson: The arbor sun-ridden and hung with fragrant bunches of wistaria bloom, 481; The log house that gives the human note to Mr. John A. Staples' glen in his estate on the Hud-son: A log house fitting its landscape as completely as the nest of a bird in a tree, the pond before it adding to the placidity of the scene, 482; A view farther up the glen where the bridges are seen spanning the stream before it reaches pond: The hemlock tree the magnificent individual of the scene, 483; The glen of Mr. Staples' wherein water falls and splashes amid rocks and brakes while holding its determined way; A more gentle appearing part of the same stream, 484; The central point in the circular garden of Mrs. Beals, 487; A long rusgarden of Mrs. Beals, 467; A long rustic arbor, wistaria covered, which runs the full length of the upper and lower gardens of the Hudson River Estate of Mr. J. A. P. Ramsdell; A central point in the garden of Canterbury bells; Upper portion of same, 488; Another section in the garden of Mrs. Beals: A glimpse from outside the wistaria covered arbor leading the eye over much space, 489; The point in the rock garden of Mrs. Ramsdell whence the water falls into the bed of the stream; The rest house in the rock garden, 490.

Homes: By Gustav Stickley--The Craftsman Building in New York, the center for permanent home-building exhibitions, The location of the Craftsman Building in relation to important metro-

politan activities, 423.

House in Philadelphia, A Picturesque Old

—The Old Bartram house, built in Philadelphia, seventeen hundred and thirtyone: The home of America's first great botanist, also an interesting example of

the beautiful and useful in architecture, 195; Detail of the Bartram house, 196.

House in the Orchard, The Little—Exterior view of house of Mr. W. T. Johnson, Lyons, New York, adapted from a Craftsman plan, 331; Dining room in Mr. Johnson's house, showing lattice casement windows and door, interesting woodwork and lighting fixtures, 332; Fireplace nook in the little house in the orchard, with built-in seat and tiled hearth. 332.

House, The Modern Colonial—Two views of a modern Colonial home built for G. E. Fahy, Locust Valley, showing right proportion and exquisite simplicity: James W. O'Connor, Architect, 63; Country residence of Gustav Pagenstecher at Cornwall-on-Hudson: A modern Colonial structure of rare charm and sincerity; Rogers and Zogbaum, Architects, 64; Two beautiful examples of modern Dutch Colonial houses built in the vicinity of Philadelphia: In both structure and finish they achieve a high level of merit, 65; Front views of two modern Colonial houses built at Englewood, N. J.: so simple and direct is this architecture that Colonial intention may have been unconscious: Davis, McGrath and Kiessling, Architects, 66.

Houseboat, Vacation Days on a—Seven il-

lustrations of houseboats, 403-409. Houses, Concrete—House of Concrete Holow-tile, 532: A monolithic concrete structure, built in a suburb of Chicago, Walter Burley Griffin, Architect; Some very rough stucco is shown on the wall of this house and in the foreground a concrete sundial—home-made—using an old millstone covered with stucco for a base, 533; This house, 30 feet by 48 feet in plan, built of concrete and frame, is in a suburb of Pittsburgh. It was designed and built by W. H. Parrish for \$4,600; Concrete vases cast in glue molds for ornaments at garden entrance, 534; The outer walls of this house at Albany, N. Y., consist of two 4-inch concrete walls with a 4-inch air space: It was designed by Charles R. Selkirk, Architect, and built by C. R. Knapp; Concrete block cottages with frame roofs built for Portland cement plant employees in a Colorado town at a cost of \$1,500 each, 535.

Houses, Craftsman—Craftsman House No. 157: designed for a suburban site in New Jersey where there is plenty of field stone, 87; First floor plan; Second floor plan, 86; Craftsman bungalow No. 158,

88; First floor plan; Second floor plan,

89.
The New Brick House at Craftsman Farms and a Small Cement Bungalow—Craftsman bungalow No. 160, with floor plan of unusual interest and economy: Gustav Stickley, Architect, 219; Craftsman two-story house No. 159, being built this spring at Craftsman Farms for a member of Mr. Stickley's family, 220; Brick house No. 159: first floor plan; Second floor plan, 221.

Vacation Bungalows that Appeal Besides as Homes of Comfort and Refreshment— Floor plan of Craftsman bungalow No. 161, 322; Craftsman shingle bungalow No. 161: five rooms, bath and living porch, 323; Floor plan of Craftsman bungalow No. 162, 324; Craftsman vacation bungalow No. 162: Three rooms and living porch, 325.

living porch, 325.
Craftsman Houses Built for Outdoor Living—Craftsman bungalow No. 163, 327; First floor plan; Second floor plan, 326; Craftsman bungalow No. 164: The special feature are a sun room, living porch and sleeping porch, 328; Floor plan, 320.

plan, 329.
Two Commodious Craftsman Houses Planned for Comfortable Indoor and Outdoor Living—Eight-room Craftsman house No. 165, 430; First floor plan, 428; Second floor plan, 429; Cement and stone Craftsman house No. 166: Eight rooms, two porches and loggia, 432; First floor plan; Second floor plan, 433.
More Craftsman Bungalows for Country

pian; Second floor plan, 433.

More Craftsman Bungalows for Country and Suburban Home-Builders—Sixroom Craftsman bungalow of field stone, with long porch and compact homelike interior, No. 167, 527; Floor plan, 526; Five-room Craftsman bungalow of stone and shingles, planned for simple house-keeping: No. 168, 528; Floor plan, 529.

Craftsman Stucco Houses Planned for All Round Comfort and Beauty and Adaptable to Many Different Lots—No. 169, 627; First floor plan, 625; Second floor plan, 626; House No. 170, 628; First floor plan; Second floor plan, 629.

Houses in Holland—A series of houses in the "Balans" at Middleburg, furnishing

Houses in Holland—A series of houses in the "Balans" at Middleburg, furnishing a good example of a group which illustrates types of architecture based on utility and convenience, 656; An old abbey at Middleburg made with the narrow long brick then much in favor; The house of Rembrandt at Amsterdam, a rare architectural achievement, sober and dignified, 657; A farmhouse with great thatched roof in which is contained all

the accommodation necessary for this life, 658.

in War and Peace-Colonial Ironwork wrought-iron gate at the entrance to the Mennonite Meeting-house in Germantown, Pa., showing a simple and grace-ful use of scrolls, 519; Wrought-iron balustrades and stair-rails of Colonial times, the delicacy of which are in in-teresting contrast to the sturdy stone steps, 520; A Colonial entrance that shows an unusually intricate handling of wrought-iron in both railings and gate, Two sturdy Colonial wrought-iron door-scrapers that are decorative in design, showing a most effective use of

scrolls, 522. Japan's Beauty an Inspiration to American Home-Builders - Seclusion and peace are always preserved in the Japan-ese garden, 45; Even in the hotels and tea houses, the charm of the simplicity of the home is felt. This Ogiya or tea house with its exquisite garden is quite typical, 46; The covered gateway and hedge are picturesque features of the garden of almost every Japanese home, 47; Houses along the river bank in Tokio; The intimacy between this charming house and garden makes one feel that the two must form a friendly and ever attractive home, 48; This attractive scene shows how very simple is the daily cooking in a Japanese house; The neighborhood well, 49; First course of a simple dinner for three persons; The Japanese bed consists of bedding only, 50. Lilies as Individuals-Twelve illustrations,

379-382. Lilies of the Garden, The Tall-The white lily of Japan, Lilium Speciosum album: oriental offspring that has become the favorite fragrant lily of many midsummer gardens, frontispiece, opp. p. 367; Six illustrations of lilies, 371-374. Making a "Mountain Garden" in a City—

Bridle path and rustic fence leading from Forbes Street along the edge of the cliff to its summit; The pergola in midsummer; Rough stone steps like the approach to an alpine chalet lead to the east wing of the house, 631; Main en-trance to the house: a bit of historic trail on the side of Clarke Mountain, Virginia, reconstructed in the native Shaly Rock; Seats built into the rustic fences are less conspicuous than benches in the open, and just as comfortable; Southeast corner of the house, 632. Miniature Cardboard Houses—Model by

Miss Barnes of a Craftsman house;

Model by Miss Barnes of country house and garden, 118.

Mother and Child," from a painting by
Mary Cassatt, opp. p. 463.

New York City, The Accidental Beauty of -Inspiration point: A sketch of the proposed Riverside Drive extension, showing how New York may transform the ragged river edges of her city into places of beauty and recreation for the people, 579; A picturesque point in the proposed Riverside Drive extension, at the north end of Inwood Hill: An example of the way in which the banks of the Hudson could be kept beautiful, 580. This classic, many-columned building which reminds one of the Coliseum of Rome is the circular Court-house, the proposed center of New York's civic group: so gigantic are its proportions that even in a borhood of skyscrapers there will be no danger of its appearing dwarfed, 581; proposed structure of the new subway as it becomes elevated at Queen's Boulevard: One showing great improvement over those built in the past and damaging to every conception of beauty, 582.

New York's Wasted Acreage-Playground on the roof of a city apartment house: The pergola will soon be vine-covered; The sunflower garden on top of the roof of a New York office building, 387; A New York roof garden where chickens are raised cheaper than market price, also flowers for the table; Where children are the gardeners on top of an office building, 388; The playground on the roof of a private house in New York: Also a charming place for five o'clock tea and dancing; The beginning of a flower garden on top of a city house, 389; Mr. Wilbur Dyer's roof garden in New York City, where there is always a refreshing breeze; A roof garden for a private dwelling in Brooklyn, 390; Play ground for roof of city residence, 393.

Photography that is Critical, Constructive and Creative: Photographs by De Meyer: Mrs. Howard Cushing; A sunlight Mrs. Howard Cushing; A sunlight woodland scene; "Mrs. Smith of Chel-sea"; Mrs. Ogden J. Mills; Water Lilies and Crystals; "The Balloon Man," 159-164.

Portiere, Embroidered-By Margaret Macdonald, 363.

Remodeling a Double Cottage of English Inspiration into a Modern One-Family Home-Double cottage which is to be remodeled to accommodate one family;

Second floor plan, showing opportunity for effective remodeling, 336.

Roof Line, The New Long—One of the new long roof lines broken by clusters of windows and a recessed porch: Drawn by Chr. Musel: By courtesy of Moderne Bauformen, 300; A five-story house with roof and side walls of shingles: Drawn by Chr. Musel: By courtesy of Moderne Bauformen, 301; A German villa with the new type of roof: Drawn by Chr. Musel: By courtesy of Moderne Bauformen, 302.

Rose Cottage in Kent—The old brick

Rose Cottage in Kent—The old brick flower-bordered path to the entrance of Tower Cottage: One of Ellen Terry's "Little Firesides," 295; The rose-covered entrance to Miss Craig's home, Tower Cottage, 296; Flowers hide the foundation of Tower Cottage, and climb over the doorway to the upper story, 297; The rose arbor through which you look across green English fields to the sea, 208.

Rose, the Single, The Return of the—The white Killarney rose that unfolds with June and makes the garden a land of enchantment, frontispiece, opp. p. 259; Eight varieties of roses, 263-266.

Rugs-Modern rugs designed and made in the manufactories and industrial schools

of Hungary, 364.

San Francisco's Great Civic Center—This diagram plat "A," shows the direction of car lines with relation to the buildings, 588; Plat "B": The Plaza and grouping of buildings in San Francisco's new civic center, giving some idea of the vistas that have been planned, 589; San Francisco's old City Hall which was destroyed by fire in nineteen hundred and six; East façade of San Francisco's new City Hall, 590; This dignified and attractive building is the new auditorium for San Francisco's civic center, 100king east toward the hay 502.

eye view of San Francisco's Civic center, looking east toward the bay, 592.

Shade Trees for City Streets—Rows of American lindens on Massachusetts Avenue, Washington; The Gingko, a remarkable tree from Japan, is valuable for street use: It is hardy and entirely free from insects: This group is to be seen in the agricultural grounds of Washington, D. C., 615; Pin Oaks are planted along one side of Pennsylvania Avenue in Washington: Twelfth Street in Washington between North and B Streets is planted with red oaks and is one of the most beautifully shaded avenues in the world, 616; Elms in front of the Public

Library, Washington; An avenue in Washington with elms, 617; An avenue of horse chestnuts in Washington; Showing an avenue with double planting of trees: This is especially beautiful where the avenues are wide enough to permit such an arrangement, 618.

such an arrangement, 618.

Shottery Gardens and Its Workers—The tapestry workshop in Shottery Gardens: With beauty encompassing the workers, 495; The girls love to work out of doors in Shottery Gardens, 496; "The Lavender House" and the garden where "Celia" grows her lavender and roses: Within she binds rare books, 497; Rich tapestries are woven in the "Tapestry House," and the threads for the loom are spun on old spinning wheels amidst colorful surroundings, 498.

Skyscraper, The American—Canyon in lower Broadway showing the Woolworth Building: Cass Gilber* Architect, frontispiece, opp. p. 3; The Woolworth Building: A skyscraper famous for its beauty and size: designed by Carton Moorepark, 5; The Candler Building, New York City: Willauer, Shape and Bready, Architects, 6; The Seneca Telephone Building, Buffalo, N. Y.: McKenzie, Voorhees and Gmelin, Architects, 7; Store and Office Building at White Plains: William Neil Smith, Architect, 8.

Staircases, Ancient, Mediæval and Colonial—Staircase built in seventeen hundred and ninety-nine, its severity tempered by flowing curves, indicating that conceptions of beauty had begun to appeal to the American people, 201; A broad plain staircase severe in trim, and mounting from a hall in which a number of chests, outlining the wall, afford suggestion of convenience to house-builders of to-day, 202; An American staircase built in eighteen hundred and eighteen: somewhat steep through its adaptation to a town house, but graceful in its curves, the newelpost ending fancifully, 203; Upper curve of the staircase dating from seventeen hundred and ninety-nine, 204.

teen hundred and ninety-nine, 204.
Stone Ware that Combines Utility with Loveliness: A stone ware jug with a griffin design: The background of blue and the figures in soft gray tones; A Gothic bowl of stone ware showing an interesting design in perforated effect, 643; A purely conventional design in stone ware which is made interesting through the combination of colors and clear glaze; A stone ware jug with a conventionalized rooster: slightly humorous in treatment, 644.

Studio, A Modern, Successfully Remodeled from an Old Hall—Stairway in the Parker Studio: The woodwork of western chestnut is most satisfying, both in the sturdiness of its construction and the mellowness of its Craftsman finish; A glimpse of the reception room in the Parker Studio: mach of its charm is due to the woodwork, which is finished with a soft green Craftsman stain and the beams are stained a warm brown, 81; One end of the large room in the Parker Studio, showing the brick fireplace and unique treatment of woodwork and built-in fitments; A corner of the large room in the Parker Atelier: The simple handling of the chestnut woodwork and the few Craftsman furnishings have resulted in a restful and harmonious atmosphere, 82.

Table Cover, Embroidered-By Margaret

B. Shand, 363.
Theater at Budapest, Entrance to: Josef

Vago, Architect, 364.
Trays of Birch Bark, Reed and Raffia—Lace doily on a golden brown pongee silk mat: Frame of golden brown and natural raffia and "Pink" side of the birch bark with a feathery asparagus fern and delicate shade of green raffia frame; Raffia fastened in loops about the edge of tray and drawn toward the center by means of a draw-string of the raffia; strand of raffia crossing the back firmly tied or sewed to the reeds on each side: work which must be done carefully, 648; Sprays of primroses and maidenhair fern on birch bark: Frame of green and natural raffia; Plain white birch bark: Frame of alternate rows of brown and hatural raffia, 640; The "Lily of the Field," from Palestine, the frame is of a shade of scarlet raffia to blend. Wings of the eccropia moth, beautifully marked with buff, red and brown; The outer bark of white birch: Frame of natural raffia, 650.

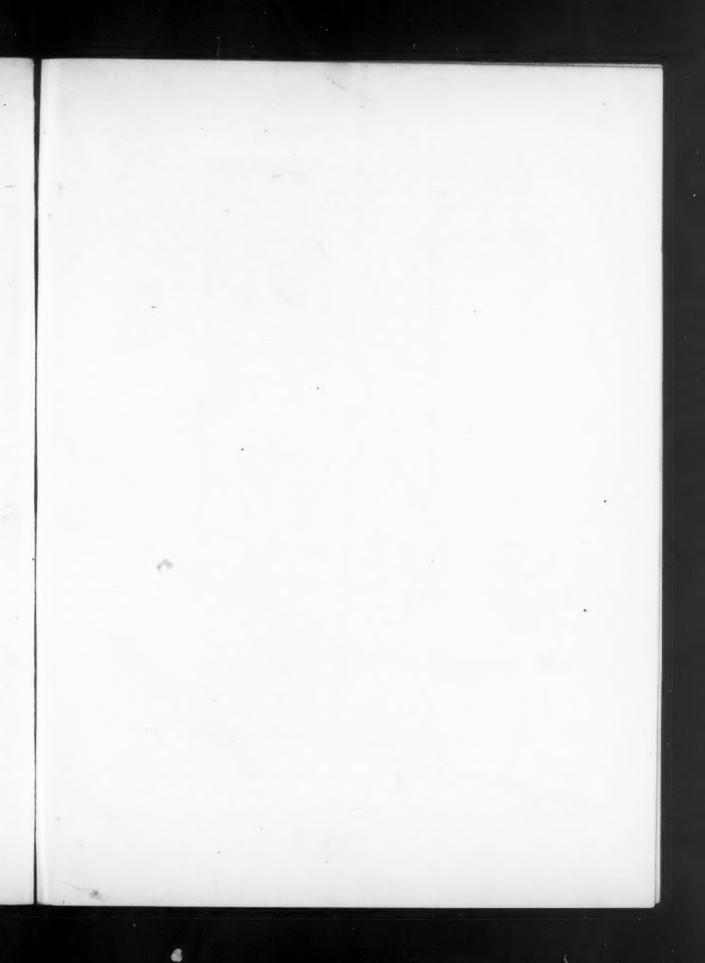
"Twin Oaks," a Country Cottage—A cottage in Illinois built from adapted Craftsman plans; Original floor plan of Craftsman house No. 123 used as a model for Mr. Minnick's cottage, 227; Showing the placing of Mr. Minnick's cottage; Corner of the living room in Mr. Minnick's cottage, showing Craftsman wall treatment,

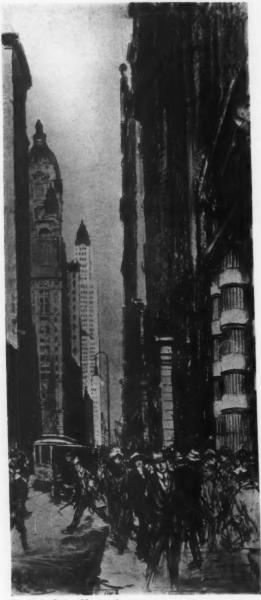
Vacations, A New Idea about—A log house built by the boys at Interlaken, 637; Rear elevation of log house; A chart for estimating materials for log house, 638; Rear view of the house at interlaken which is the result of vacation work, 630, Value of Coöperation between Owner and Architect—Mr. F. S. Peer's house, Ithaca, New York: First floor plan, 69; Second floor plan, 70; Front and side views of the Craftsman house specially designed for Mr. F. S. Peer, of Ithaca, N. Y.: The stucco and half-timber construction is as decorative as it is practical, and the long roof lines, dormers and wide window groups make the exterior both dignified and friendly, 71; Part of the long living room in Mr. Peer's house, showing the brick fireplace; A corner of the dining room, 72; Two views of the Craftsman house built for Mr. E. F. Scheibe at Cambridge, Mass. (from Scheibe at Cambridge, Mass. (from special plans), stucco and stone are used and though the construction is extremely plain, the dormers, hooded doors, bal-cony and chimney form a satisfying whole, 73; Two views of the comfortable living room in the Scheibe home, 74 View of the pipe organ which is built into the second and third stories of the Scheibe residence; The homelike atmosphere throughout the first floor is due largely to the sturdy and beautiful treatment of the structural features, 75; Front of the residence of Mr. and Mrs. F. J. Wagner, which was recently built at Smithtown, L. I., from special Craftsman plans: The walls, which are of hollow concrete construction, are light gray and the roof and pergolas over the sleeping balconies are green; Rear of the Wagner home with recessed kitchen porch on the left, 76; The home of Mr. E. F. Scheibe: First floor plan; Second floor plan, 77; The home of Mr. and Mrs. F. J. Wagner: First floor plan, 78; Second floor plan, 79.

Venetian Fountain Spell, The—Four illustrations of Old Venetian fountains, 31-32. Vines, The Companionship of—Two illustrations, 181-182.

Wall Papers, Some Old-Time—Picturesque wall-paper in the Samuel Ham House, Peabody, Mass., showing the climax of a tropical scene on the overmantel; Wall-paper reminiscent of earlier times, in the Hannah Robinson House, Saunderstown, R. I., 213; Old-fashioned floral wall-paper in the Larkin-Richt. House, Portsmouth, N. H.; Quaint old-time wall-paper in the Portsmouth Athletic Club, illustrating the impressions of a Frenchman on visiting America, 214.

Woodwork, Craftsman—A beamed ceiling would be in keeping with this construction, 125; Figs. 1 and 2 showing inside walls of Craftsman room, 126; Fig. 3, 127.





Drawn by Carton Moorepark.

CANYON IN LOWER BROADWAY SHOWING THE WOOL-WORTH BUILDING: CASS GILBERT, ARCHITECT.